

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PCT041046GWG	FOR FURTHER ACTION See Form PCT/IPEA/416	
International application No. PCT/CN2004/000444	International filing date (day/month/year) 08.May 2004 (08.05.2004)	Priority date (day/month/year) 06.Nov.2003 (06.11.2003)
International Patent Classification (IPC) or national classification and IPC A47J43/28(2006.01)i		
Applicant WONG Kwok Hung		
<p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>3</u> sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input checked="" type="checkbox"/> (sent to the applicant and to the International Bureau) a total of <u>2</u> sheets, as follows:</p> <p><input checked="" type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic _____, Containing a sequence listing and/or tables related thereto, in electronic form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p>		
<p>4. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the report</p> <p><input type="checkbox"/> Box No. II Priority</p> <p><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p><input type="checkbox"/> Box No. IV Lack of unity of invention</p> <p><input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p><input type="checkbox"/> Box No. VI Certain documents cited</p> <p><input type="checkbox"/> Box No. VII Certain defects in the international application</p> <p><input type="checkbox"/> Box No. VIII Certain observations on the international application</p>		
Date of submission of the demand 18.Oct.2004(18.10.2004)	Date of completion of this report 28.Feb.2006(28.02.2006)	
Name and mailing address of the IPEA/CN The State Intellectual Property Office, the P.R.China, 6 Xitucheng Rd., Jimen Bridge, Haidian District, Beijing, China 100088 Facsimile No. 86-10-62019451	Authorized officer YANG Qinzhi Telephone No. 86-10-62085833	

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/CN2004/000444

Box No. I Basis of the report

1. With regard to the language, this report is based on:

- ☒ the international application in the language in which it was filed
- ☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of:
- ☐ international search (Rules 12.3(a) and 23.1(b))
- ☐ publication of the international application (Rule 12.4(a))
- ☐ international preliminary examination (Rules 55.2(a) and/or 55.3(a))

2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

- ☐ the international application as originally filed/furnished
- ☒ the description:
- pages 1~5 _____ as originally filed/furnished
- pages * _____ received by this Authority on _____
- pages * _____ received by this Authority on _____
- ☒ the claims:
- pages _____ as originally filed/furnished
- pages * 1~2 _____ as amended (together with any statement) under Article 19
- pages * _____ received by this Authority on _____
- pages * _____ received by this Authority on _____
- ☒ the drawings:
- pages 1~2 _____ as originally filed/furnished
- pages * _____ received by this Authority on _____
- pages * _____ received by this Authority on _____

☐ a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement:

Novelty (N)	Claims 1~9	YES
	Claims	NO
Inventive step (IS)	Claims 1~9	YES
	Claims	NO
Industrial applicability (IA)	Claims 1~9	YES
	Claims	NO

2. Citations and explanations (Rule 70.7)

I、Citations:

D1: CN2149165Y
D2: CN87209706U
D3: CN2163605Y
D4: US4825551A

II、explanations:

Claims 1~9 meet requirement of PCT Article 33(2) as regards novelty, because the above cited documents don't disclose all technical features of the claims 1~9, respectively.

Claims 1~9 meet requirement of PCT Article 33(3) as regards inventiveness, because those skilled in the art can not obtain obviously the technical solutions defined by the claims 1~9 from the above cited documents or their combination.

Claims 1~9 meet the requirement of PCT Article 33(4) as regards industrial applicability, because the technical solutions defined by the claims 1~9 are found to have practical application in industry.

权 利 要 求

1、一种多功能汤勺，包括手柄（1）和汤勺底（2），其特征在于，还包括可与汤勺底（2）相配合的漏勺（3）；所述漏勺（3）通过固定装置与所述汤勺底（2）结合；设于所述手柄（1）上拉放开关（6）通过把手内的弹簧（5）拉杆（7）弹力装置（8）和螺丝（13）与所述定位孔（4）连接使得所述拉放开关（6）通过拉杆控制所述漏勺与汤勺底的分离、合并或翻起清洗。

2、根据权利要求1所述多功能汤勺，其特征在于，所述汤勺（2）底设有一个漏孔（11），所述漏勺（3）底部在与所述汤勺（2）底的所述漏孔（11）相对应位置设有可通过弹簧（5）的弹力将所述漏孔（11）完全堵住的凸点（12）。

3、根据权利要求1-2所述多功能汤勺，其特征在于，所述弹簧（5）设于手柄（1）把手内，所述拉杆（7）一端与所述拉放开关（6）和弹簧（5）连接、另一端通过螺丝（13）与弹簧或U字弹弓片（8）在通过固定装置（4）和所述漏勺连接。

4、根据权利要求1-3所述多功能汤勺，其特征在于，所述漏勺（3）带有一短柄（9），所述短柄（9）的背面设有螺丝座（10），（所述螺丝（13）穿过弹力装置（8）和固定装置长方型定位孔（4）在固定到所述螺丝座（10）上。）

5、根据权利要求 4 所述多功能汤勺，其特征在于，所述漏勺(3)上的短柄(9)及背面螺丝座(10)可用其它形状组成套装到手柄(1)上。

6、根据权利要求 1-3 所述多功能汤勺，其特征在于，所述定位孔(4)是设在所述手柄(1)接近汤勺底(2)位置、与所述螺丝座(10)相对应长方形定位孔。

7、根据权利要求 1-3 所述多功能汤勺，其特征在于，所述弹力装置(8)为弹簧或 U 字弹弓片。

8、根据权利要求 1-3 中任何一项所述多功能汤勺，其特征在于，所述漏勺(3)带有多个扭曲的长短方形或圆形孔的镂空结构，漏勺底部形状为蛋黄大小的实心圆。

9、根据权利要求 1-3 中任一项所述多功能汤勺，其特征在于，所述手柄、汤勺底及漏勺和拉杆中和任何一种可采用不锈钢、钢、木、竹、塑料、塑胶、铁、铜、银、金、铝、铝合金、锌、锌合金、镍等材料制成。